

Title (en)

Aluminum-alloy sputtering target and reflective film

Title (de)

Sputtertarget aus einer Aluminiumlegierung, und reflektierender Film.

Title (fr)

Cible de pulvérisation en alliage d'aluminium et film réflecteur.

Publication

EP 1528119 B1 20070613 (EN)

Application

EP 04025435 A 20041026

Priority

JP 2003370740 A 20031030

Abstract (en)

[origin: EP1528119A1] There are provided an aluminum-alloy reflection film for optical information-recording, having low thermal conductivity, low melting temperature, and high corrosion resistance, capable of coping with laser marking, an optical information-recording medium comprising the reflection film described, and an aluminum-alloy sputtering target for formation of the reflection film described. The invention includes (1) an aluminum-alloy reflection film for optical information-recording, containing an element Al as the main constituent, 1.0 to 10.0 at. % of at least one element selected from the group of rare earth elements, and 0.5 to 5.0 at. % of at least one element selected from the group consisting of elements Cr, Ta, Ti, Mo, V, W, Zr, Hf, Nb, and Ni, (2) an optical information-recording medium comprising any of the aluminum-alloy reflection films described as above, and (3) a sputtering target having the same composition as that for any of the aluminum-alloy reflection films described as above.

IPC 8 full level

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CPC (source: EP US)

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